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TECH CENTER 1600/2900



1600

## RAW SEQUENCE LISTING

DATE: 02/12/2002

PATENT APPLICATION: US/09/290,049A

TIME: 11:19:24

Input Set : A:\1564.1008-002.txt

Output Set: N:\CRF3\02122002\I290049A.raw

ENTERED

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4 <110> APPLICANT: Smith, Daniel J.
5   Taubman, Martin A.
7 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDE VACCINES FOR DENTAL
8   CARIES
10 <130> FILE REFERENCE: 1564.1008-002
12 <140> CURRENT APPLICATION NUMBER: 09/290,049A
13 <141> CURRENT FILING DATE: 1999-04-12
15 <150> PRIOR APPLICATION NUMBER: 60/081,550
16 <151> PRIOR FILING DATE: 1998-04-13
18 <150> PRIOR APPLICATION NUMBER: 60/115,142
19 <151> PRIOR FILING DATE: 1999-01-08
21 <160> NUMBER OF SEQ ID NOS: 19
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 21
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: EAW peptide
33 <400> SEQUENCE: 1
34 Ala Asn Asp His Leu Ser Ile Leu Glu Ala Trp Ser Asp Asn Asp Thr
35 1           5           10           15
36 Pro Tyr Leu His Asp
37           20
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 19
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: HDS peptide
47 <400> SEQUENCE: 2
48 Val Pro Ser Tyr Ser Phe Ile Arg Ala His Asp Ser Glu Val Gln Asp
49 1           5           10           15
50 Leu Ile Ala
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 22
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: GLB peptide
62 <400> SEQUENCE: 3
63 Thr Gly Ala Arg Thr Ile Asn Gly Gln Leu Leu Tyr Phe Arg Ala Asn
64 1           5           10           15

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65 Gly Val Gln Val Lys Gly

66 20

68 &lt;210&gt; SEQ ID NO: 4

69 &lt;211&gt; LENGTH: 15

70 &lt;212&gt; TYPE: PRT

71 &lt;213&gt; ORGANISM: Artificial Sequence

73 &lt;220&gt; FEATURE:

74 &lt;223&gt; OTHER INFORMATION: MAC peptide

76 &lt;400&gt; SEQUENCE: 4

77 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu

78 1 5 10 15

80 &lt;210&gt; SEQ ID NO: 5

81 &lt;211&gt; LENGTH: 15

82 &lt;212&gt; TYPE: PRT

83 &lt;213&gt; ORGANISM: S. mutans

85 &lt;400&gt; SEQUENCE: 5

86 Ser Ala Trp Asn Ser Asp Ser Glu Arg Pro Phe Asp Asp His Leu

87 1 5 10 15

89 &lt;210&gt; SEQ ID NO: 6

90 &lt;211&gt; LENGTH: 15

91 &lt;212&gt; TYPE: PRT

92 &lt;213&gt; ORGANISM: S. mutans

94 &lt;400&gt; SEQUENCE: 6

95 Ser Ala Trp Asn Ser Asp Ser Glu Lys Pro Phe Asp Asp His Leu

96 1 5 10 15

98 &lt;210&gt; SEQ ID NO: 7

99 &lt;211&gt; LENGTH: 15

100 &lt;212&gt; TYPE: PRT

101 &lt;213&gt; ORGANISM: S. mutans

103 &lt;400&gt; SEQUENCE: 7

104 Pro Asn Trp Asn Ser Gln Thr Glu Ser Asp Thr Ser Ala Gly Glu

105 1 5 10 15

107 &lt;210&gt; SEQ ID NO: 8

108 &lt;211&gt; LENGTH: 15

109 &lt;212&gt; TYPE: PRT

110 &lt;213&gt; ORGANISM: S. downei

112 &lt;400&gt; SEQUENCE: 8

113 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu

114 1 5 10 15

116 &lt;210&gt; SEQ ID NO: 9

117 &lt;211&gt; LENGTH: 15

118 &lt;212&gt; TYPE: PRT

119 &lt;213&gt; ORGANISM: S. sobrinus

121 &lt;400&gt; SEQUENCE: 9

122 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu

123 1 5 10 15

125 &lt;210&gt; SEQ ID NO: 10

126 &lt;211&gt; LENGTH: 21

127 &lt;212&gt; TYPE: PRT

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128 <213> ORGANISM: S. mutans
130 <400> SEQUENCE: 10
131 Ala Asn Asp His Leu Ser Ile Leu Glu Ala Trp Ser Asp Asn Asp Thr
132 1 5 10 15
133 Pro Tyr Leu His Asp
134 20
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 21
138 <212> TYPE: PRT
139 <213> ORGANISM: S. mutans
141 <400> SEQUENCE: 11
142 Ala Ile Asn His Leu Ser Ile Leu Glu Ala Trp Ser Asp Asn Asp Pro
143 1 5 10 15
144 Gln Tyr Asn Lys Asp
145 20
147 <210> SEQ ID NO: 12
148 <211> LENGTH: 21
149 <212> TYPE: PRT
150 <213> ORGANISM: S. downei
152 <400> SEQUENCE: 12
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154 1 5 10 15
155 Pro Tyr Leu His Asp
156 20
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159 <211> LENGTH: 21
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161 <213> ORGANISM: S. downei
163 <400> SEQUENCE: 13
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165 1 5 10 15
166 Asp Tyr Val Lys Gln
167 20
169 <210> SEQ ID NO: 14
170 <211> LENGTH: 21
171 <212> TYPE: PRT
172 <213> ORGANISM: S. sobrinus
174 <400> SEQUENCE: 14
175 Ala Asn Asn His Val Ser Ile Val Glu Ala Trp Ser Asp Asn Asp Thr
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177 Pro Tyr Leu His Asp
178 20
180 <210> SEQ ID NO: 15
181 <211> LENGTH: 22
182 <212> TYPE: PRT
183 <213> ORGANISM: S. mutans
185 <400> SEQUENCE: 15
186 Val Pro Ser Tyr Ser Phe Ile Arg Ala His Asp Ser Glu Val Gln Asp
187 1 5 10 15

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188 Leu Ile Arg Asn Ile Ile  
189 20  
191 <210> SEQ ID NO: 16  
192 <211> LENGTH: 22  
193 <212> TYPE: PRT  
194 <213> ORGANISM: S. mutans  
196 <400> SEQUENCE: 16  
197 Met Ala Asn Tyr Ile Phe Ile Arg Ala His Asp Ser Glu Val Gln Thr  
198 1 5 10 15  
199 Val Ile Ala Lys Ile Ile  
200 20  
202 <210> SEQ ID NO: 17  
203 <211> LENGTH: 22  
204 <212> TYPE: PRT  
205 <213> ORGANISM: S. downei  
207 <400> SEQUENCE: 17  
208 Val Pro Ser Tyr Ser Phe Ala Arg Ala His Asp Ser Glu Val Gln Asp  
209 1 5 10 15  
210 Leu Ile Arg Asp Ile Ile  
211 20  
213 <210> SEQ ID NO: 18  
214 <211> LENGTH: 22  
215 <212> TYPE: PRT  
216 <213> ORGANISM: S. downei  
218 <400> SEQUENCE: 18  
219 Val Pro Asn Tyr Val Phe Ile Arg Ala His Asp Ser Glu Val Gln Thr  
220 1 5 10 15  
221 Arg Ile Ala Lys Ile Ile  
222 20  
224 <210> SEQ ID NO: 19  
225 <211> LENGTH: 22  
226 <212> TYPE: PRT  
227 <213> ORGANISM: S. sobrinus  
229 <400> SEQUENCE: 19  
230 Val Pro Ser Tyr Ser Phe Ala Arg Ala His Asp Ser Glu Val Gln Asp  
231 1 5 10 15  
232 Ile Ile Arg Asp Ile Ile  
233 20

VERIFICATION SUMMARY

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